

Gregory, Bernarr

From: PLUS
Sent: Thursday, February 10, 2005 2:08 PM
To: Gregory, Bernarr
Subject: PLUS Results for 10768745

Here are the PLUS search results for 10768745.

This search was prepared by the staff of the Scientific and Technical Information Center, SIRA. If you have questions or comments about this search, please reply via email to PLUS@uspto.gov.



10768745_QUAL.txt



10768745_LIST.txt



10768745_WEST.txt



10768745_EAST.txt



10768745.east



10768745_CLS.txt



10768745_CLSTITLES.t

xt



10768745_WDS.txt

10768745_QUAL

6181288 85
6150974 75
5223850 75
6424286 73
4499474 72
5182564 72
5483240 69
5451969 66
5745082 66
5982329 66
5541603 65
4821044 65
6100841 65
5279478 65
4958166 64
5311192 64
5061930 64
5366179 63
5828344 63
5307077 63
4621265 62
5310134 61
6016990 61
6184817 61
6420992 61
6429800 61
6196497 61
5232182 61
5673049 60
4467327 60
4823132 60
6407711 60
6181291 59
4618865 59
5917442 59
4536685 59
4980925 59
4551728 59
4980690 58
5339082 58
6359710 58
6252559 58
6295020 58
RE33055 57
4360816 57
5319379 57
5592850 57
4149166 57

10768745_QUAL

6249589 57
5652631 57
5472533 57
5764192 57
5793332 57
5818393 57
6703982 56
6049302 56
6731241 56
4589610 56
4562439 56
4630050 56
5982320 56
6320541 56
6055909 55
5660355 55
4415130 55
3662384 55
4914734 55
4576346 54
5019826 54
5343211 53
5739786 53
6268821 53
5525997 53
5458041 53
5710423 53
5867256 53
6012375 53
3832711 53
4382258 53
6031501 53
6060703 53
5394163 52
5035375 52
5243553 52
6175332 52
3902685 52
4266173 51
4288049 51
4383663 51
4802640 51
5829315 51
6078289 51
5229540 51
5636992 51
6179246 51
5588057 51

10768745_QUAL

5955987 50
5184137 50
5185608 50
5225838 50
5225839 50
5223842 50
5245347 50
4968980 50
6486823 50
4851847 50
4797839 50
6806823 50
6538597 50
4991794 50
3699574 50
3891314 50
4014020 50
4347996 50
5200606 50
5224109 50
5285461 50
5543810 50
5619216 50
6225943 50
6225943 50
6231003 50
6414622 50
5696347 49
5247843 49
5486831 49
5734389 49
5515054 49
4348677 49
4095230 49
4606848 49
5986505 49
6653984 49
4522356 49
6072889 49
4412192 48
5253823 48
5347287 48
5944281 48
5726657 48
6498582 47
4337427 47
4494202 47
4448106 47

10768745_QUAL

4533094 47
5703314 47
6388611 47
6619178 47
4244540 47
4843235 47
6288380 47
5361073 47
6295932 47
6297762 46
6295017 46
4952042 46
5384458 46
4812855 46
5886670 46
5445078 46
3813670 46
4264907 46
4307399 46
4338602 46
4521782 46
5204551 46
5229728 46
5260709 46
5271143 46
5291650 46
5340056 46
5347910 46
5400161 46
5430449 46
5642081 46
6036140 46
6157875 46
6231002 46
6262800 46
6304583 46
6352031 46
6386886 46
6410897 46
6633613 46
6724470 46
6741341 46
6789763 46
4508293 45
4598884 45
4256279 45
4554871 45
5538205 45

10768745_QUAL

6690458 45
5321405 45
4370655 45
5826819 45
5619205 44
4614317 44
6266010 44
5274836 44
6404379 43
5860619 43
6116537 43
4790493 43
5647560 43
5669579 43
5702068 43
5779187 43
3706429 43
3918060 43
3911345 43
4093154 43
4288050 43
4307855 43
4309003 43
4309004 43
4309005 43
4329579 43
4383662 43
4461176 43
4522355 43
4830311 43
4849634 43
4850275 43
4898341 43
4898342 43
4917330 43
H000796 43
5065956 43
5235916 43
5336894 43
5430294 43
5465620 43
5587972 43
5596185 43
5664741 43
5780839 43
5848764 43
6181988 43
6349898 43

10768745_QUAL

6487953 43
6813593 43
4121214 43
4990920 43
5064141 43
5903473 43
5314144 43
6079666 43
6300898 43
6079665 43
4498394 43
4520973 43
5201895 43
5257121 43
5631441 43
5681009 43
5710431 43
5866840 43
6392782 43
6825791 43
4356490 42
4433334 42
5682225 42
5693907 42
4358766 42
5291209 42
4586045 42
4015261 42
4429311 42
4458246 42
4426048 42
4135686 42
4245890 42
4615496 42
5262630 42
6018163 42
6123288 42
6606066 42
4454513 42
5635939 42
4502052 42
6492937 42
5361074 42
4544926 42
4549183 42
4935743 42
5302961 42
5341146 42

10768745_QUAL

5952965	42
6084540	42
5461571	42
5650793	41
5963111	41
5834682	41
5835057	41
4521780	41
5034750	41
5184136	41
5191351	41
4969819	41

45

PLUS Search Results for S/N 10768745, Searched February 10, 2005 ✓

The Patent Linguistics Utility System (PLUS) is a USPTO automated search

system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are

most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

6181288	5472533	5225839	6288380	6404379	4498394
6150974	5764192	5223842	5361073	5860619	4520973
5223850	5793332	5245347	6295932	6116537	5201895
6424286	5818393	4968980	6297762	4790493	5257121
4499474	6703982	6486823	6295017	5647560	5631441
5182564	6049302	4851847	4952042	5669579	5681009
5483240	6731241	4797839	5384458	5702068	5710431
5451969	4589610	6806823	4812855	5779187	5866840
5745082	4562439	6538597	5886670	3706429	6392782
5982329	4630050	4991794	5445078	3918060	6825791
5541603	5982320	3699574	3813670	3911345	4356490
4821044	6320541	3891314	4264907	4093154	4433334
6100841	6055909	4014020	4307399	4288050	5682225
5279478	5660355	4347996	4338602	4307855	5693907
4958166	4415130	5200606	4521782	4309003	4358766
5311192	3662384	5224109	5204551	4309004	5291209
5061930	4914734	5285461	5229728	4309005	4586045
5366179	4576346	5543810	5260709	4329579	4015261
5828344	5019826	5619216	5271143	4383662	4429311
5307077	5343211	6225943	5291650	4461176	4458246
4621265	5739786	6225943	5340056	4522355	4426048
5310134	6268821	6231003	5347910	4830311	4135686
6016990	5525997	6414622	5400161	4849634	4245890
6184817	5458041	5696347	5430449	4850275	4615496
6420992	5710423	5247843	5642081	4898341	5262630
6429800	5867256	5486831	6036140	4898342	6018163
6196497	6012375	5734389	6157875	4917330	6123288
5232182	3832711	5515054	6231002	H000796	6606066
5673049	4382258	4348677	6262800	5065956	4454513
4467327	6031501	4095230	6304583	5235916	5635939
4823132	6060703	4606848	6352031	5336894	4502052
6407711	5394163	5986505	6386886	5430294	6492937
6181291	5035375	6653984	6410897	5465620	5361074
4618865	5243553	4522356	6633613	5587972	4544926
5917442	6175332	6072889	6724470	5596185	4549183

10768745_LIST

4536685	3902685	4412192	6741341	5664741	4935743
4980925	4266173	5253823	6789763	5780839	5302961
4551728	4288049	5347287	4508293	5848764	5341146
4980690	4383663	5944281	4598884	6181988	5952965
5339082	4802640	5726657	4256279	6349898	6084540
6359710	5829315	6498582	4554871	6487953	5461571
6252559	6078289	4337427	5538205	6813593	5650793
6295020	5229540	4494202	6690458	4121214	5963111
RE33055	5636992	4448106	5321405	4990920	5834682
4360816	6179246	4533094	4370655	5064141	5835057
5319379	5588057	5703314	5826819	5903473	4521780
5592850	5955987	6388611	5619205	5314144	5034750
4149166	5184137	6619178	4614317	6079666	5184136
6249589	5185608	4244540	6266010	6300898	5191351
5652631	5225838	4843235	5274836	6079665	4969819

10768745 WEST

(6181288 6150974 5223850 6424286 4499474 5182564 5483240 5451969 57450
82 5982329 5541603 4821044 6100841 5279478 4958166 5311192 5061930 536
6179 5828344 5307077 4621265 5310134 6016990 6184817 6420992 6429800 6
196497 5232182 5673049 4467327 4823132 6407711 6181291 4618865 5917442
4536685 4980925 4551728 4980690 5339082 6359710 6252559 6295020 RE330
55 4360816 5319379 5592850 4149166 6249589 5652631).pn.
(5472533 5764192 5793332 5818393 6703982 6049302 6731241 4589610 45624
39 4630050 5982320 6320541 6055909 5660355 4415130 3662384 4914734 457
6346 5019826 5343211 5739786 6268821 5525997 5458041 5710423 5867256 6
012375 3832711 4382258 6031501 6060703 5394163 5035375 5243553 6175332
3902685 4266173 4288049 4383663 4802640 5829315 6078289 5229540 56369
92 6179246 5588057 5955987 5184137 5185608 5225838).pn.
(5225839 5223842 5245347 4968980 6486823 4851847 4797839 6806823 65385
97 4991794 3699574 3891314 4014020 4347996 5200606 5224109 5285461 554
3810 5619216 6225943 6225943 6231003 6414622 5696347 5247843 5486831 5
734389 5515054 4348677 4095230 4606848 5986505 6653984 4522356 6072889
4412192 5253823 5347287 5944281 5726657 6498582 4337427 4494202 44481
06 4533094 5703314 6388611 6619178 4244540 4843235).pn.
(6288380 5361073 6295932 6297762 6295017 4952042 5384458 4812855 58866
70 5445078 3813670 4264907 4307399 4338602 4521782 5204551 5229728 526
0709 5271143 5291650 5340056 5347910 5400161 5430449 5642081 6036140 6
157875 6231002 6262800 6304583 6352031 6386886 6410897 6633613 6724470
6741341 6789763 4508293 4598884 4256279 4554871 5538205 6690458 53214
05 4370655 5826819 5619205 4614317 6266010 5274836).pn.
(6404379 5860619 6116537 4790493 5647560 5669579 5702068 5779187 37064
29 3918060 3911345 4093154 4288050 4307855 4309003 4309004 4309005 432
9579 4383662 4461176 4522355 4830311 4849634 4850275 4898341 4898342 4
917330 H000796 5065956 5235916 5336894 5430294 5465620 5587972 5596185
5664741 5780839 5848764 6181988 6349898 6487953 6813593 4121214 49909
20 5064141 5903473 5314144 6079666 6300898 6079665).pn.
(4498394 4520973 5201895 5257121 5631441 5681009 5710431 5866840 63927
82 6825791 4356490 4433334 5682225 5693907 4358766 5291209 4586045 401
5261 4429311 4458246 4426048 4135686 4245890 4615496 5262630 6018163 6
123288 6606066 4454513 5635939 4502052 6492937 5361074 4544926 4549183
4935743 5302961 5341146 5952965 6084540 5461571 5650793 5963111 58346
82 5835057 4521780 5034750 5184136 5191351 4969819).pn.

10768745_EAST

(6181288
6150974
5223850
6424286
4499474
5182564
5483240
5451969
5745082
5982329
5541603
4821044
6100841
5279478
4958166
5311192
5061930
5366179
5828344
5307077
4621265
5310134
6016990
6184817
6420992
6429800
6196497
5232182
5673049
4467327
4823132
6407711
6181291
4618865
5917442
4536685
4980925
4551728
4980690
5339082
6359710
6252559
6295020
RE33055
4360816
5319379
5592850
4149166

10768745_EAST

6249589
5652631) .pn.
(5472533
5764192
5793332
5818393
6703982
6049302
6731241
4589610
4562439
4630050
5982320
6320541
6055909
5660355
4415130
3662384
4914734
4576346
5019826
5343211
5739786
6268821
5525997
5458041
5710423
5867256
6012375
3832711
4382258
6031501
6060703
5394163
5035375
5243553
6175332
3902685
4266173
4288049
4383663
4802640
5829315
6078289
5229540
5636992
6179246
5588057

10768745_EAST

5955987
5184137
5185608
5225838) .pn.
(5225839
5223842
5245347
4968980
6486823
4851847
4797839
6806823
6538597
4991794
3699574
3891314
4014020
4347996
5200606
5224109
5285461
5543810
5619216
6225943
6225943
6231003
6414622
5696347
5247843
5486831
5734389
5515054
4348677
4095230
4606848
5986505
6653984
4522356
6072889
4412192
5253823
5347287
5944281
5726657
6498582
4337427
4494202
4448106

10768745_EAST

4533094
5703314
6388611
6619178
4244540
4843235) .pn.
(6288380
5361073
6295932
6297762
6295017
4952042
5384458
4812855
5886670
5445078
3813670
4264907
4307399
4338602
4521782
5204551
5229728
5260709
5271143
5291650
5340056
5347910
5400161
5430449
5642081
6036140
6157875
6231002
6262800
6304583
6352031
6386886
6410897
6633613
6724470
6741341
6789763
4508293
4598884
4256279
4554871
5538205

10768745_EAST

6690458
5321405
4370655
5826819
5619205
4614317
6266010
5274836) .pn.
(6404379
5860619
6116537
4790493
5647560
5669579
5702068
5779187
3706429
3918060
3911345
4093154
4288050
4307855
4309003
4309004
4309005
4329579
4383662
4461176
4522355
4830311
4849634
4850275
4898341
4898342
4917330
H000796
5065956
5235916
5336894
5430294
5465620
5587972
5596185
5664741
5780839
5848764
6181988
6349898

10768745_EAST

6487953
6813593
4121214
4990920
5064141
5903473
5314144
6079666
6300898
6079665) .pn.
(4498394
4520973
5201895
5257121
5631441
5681009
5710431
5866840
6392782
6825791
4356490
4433334
5682225
5693907
4358766
5291209
4586045
4015261
4429311
4458246
4426048
4135686
4245890
4615496
5262630
6018163
6123288
6606066
4454513
5635939
4502052
6492937
5361074
4544926
4549183
4935743
5302961
5341146

10768745_EAST

5952965
6084540
5461571
5650793
5963111
5834682
5835057
4521780
5034750
5184136
5191351
4969819) .pn.

10768745_CLS
Most Frequently Occurring Classifications of Patents Returned
From A Search of 10768745 on February 10, 2005

Original Classifications

26	244/3.16
15	244/3.15
11	342/17
9	244/3.19
9	342/62
8	342/14
8	343/771
4	342/13
4	342/15
4	342/174
4	342/53
4	343/705
3	89/1.11
3	102/336
3	244/3.12
3	244/3.17
3	244/3.22
3	250/203.6
3	342/149
3	342/381
2	102/293
2	102/489
2	244/3.1
2	244/3.11
2	244/3.14
2	244/3.2
2	244/3.21
2	250/332
2	250/504R
2	342/137
2	342/169
2	342/170
2	342/188
2	342/201
2	342/202
2	342/357.06
2	342/427
2	342/68
2	342/99
2	343/700MS
2	343/729
2	343/756
2	343/781CA

2 356/141.1
2 382/103
2 703/6

Cross-Reference Classifications

21 244/3.16
20 342/62
16 244/3.15
11 342/13
10 244/3.19
9 342/149
7 342/195
6 250/342
6 342/16
6 342/194
5 102/214
5 342/53
5 343/770
4 244/3.1
4 244/3.11
4 342/14
4 342/159
4 342/192
4 342/196
4 342/379
4 342/381
4 342/61
4 342/97
4 343/700MS
4 343/725
4 343/771
4 343/872
4 343/909
4 356/4.01
4 434/2
3 250/495.1
3 250/504R
3 333/248
3 342/137
3 342/15
3 342/153
3 342/157
3 342/165
3 342/173
3 342/188
3 342/20
3 342/204
3 342/357.06

10768745_CLS

3 342/58
3 343/720
3 343/768
3 343/853
3 343/876
3 382/103
2 73/167
2 89/41.06
2 102/211
2 102/357
2 102/363
2 102/370
2 102/476
2 102/489
2 102/505
2 102/513
2 235/411
2 244/3.13
2 244/3.14
2 244/3.17
2 244/3.2
2 250/347
2 330/287
2 333/114
2 333/22R
2 342/111
2 342/131
2 342/145
2 342/147
2 342/158
2 342/174
2 342/19
2 342/200
2 342/25A
2 342/3
2 342/357.01
2 342/374
2 342/378
2 342/380
2 342/384
2 342/461
2 342/52
2 342/68
2 342/80
2 342/94
2 342/98
2 343/708
2 343/753

10768745_CLS

2 343/756
2 343/765
2 343/781CA
2 343/781P
2 343/785
2 343/840
2 356/139.05
2 356/5.01
2 434/22
2 455/1
2 455/326
2 701/213

Combined Classifications

47 244/3.16
31 244/3.15
29 342/62
19 244/3.19
15 342/13
12 342/14
12 342/149
12 342/17
12 343/771
9 342/53
7 342/15
7 342/195
7 342/381
6 102/214
6 244/3.1
6 244/3.11
6 250/342
6 342/16
6 342/174
6 342/194
6 343/700MS
6 343/770
5 244/3.17
5 250/504R
5 342/137
5 342/188
5 342/357.06
5 342/379
5 342/61
5 342/97
5 343/705
5 343/725
5 343/872
5 382/103

4 89/1.11
4 102/336
4 102/489
4 244/3.14
4 244/3.2
4 244/3.22
4 250/203.6
4 342/153
4 342/159
4 342/192
4 342/196
4 342/58
4 342/68
4 343/720
4 343/756
4 343/781CA
4 343/909
4 356/4.01
4 434/2
3 73/167
3 102/505
3 244/3.12
3 244/3.21
3 250/332
3 250/495.1
3 333/248
3 342/157
3 342/165
3 342/170
3 342/173
3 342/19
3 342/20
3 342/201
3 342/204
3 342/374
3 342/384
3 342/80
3 343/729
3 343/753
3 343/765
3 343/768
3 343/853
3 343/876
3 455/1
2 29/600
2 73/865.6
2 89/41.06
2 102/211

10768745_CLS

2 102/293
2 102/357
2 102/363
2 102/370
2 102/476
2 102/513
2 235/411
2 244/3.13
2 244/3.27
2 248/184.1
2 250/203.1
2 250/203.2
2 250/208.1
2 250/216
2 250/234
2 250/347
2 318/561
2 330/287
2 333/114
2 333/22R
2 342/111
2 342/12
2 342/131
2 342/145
2 342/147
2 342/154
2 342/158
2 342/169
2 342/175
2 342/200
2 342/202
2 342/25A
2 342/3
2 342/357.01
2 342/357.09
2 342/361
2 342/372
2 342/373
2 342/378
2 342/380
2 342/383
2 342/427
2 342/461
2 342/52
2 342/64
2 342/90
2 342/94
2 342/95

10768745_CLS

2 342/98
2 342/99
2 343/708
2 343/754
2 343/757
2 343/761
2 343/776
2 343/781P
2 343/785
2 343/840
2 343/895
2 356/139.05
2 356/139.07
2 356/141.1
2 356/141.5
2 356/5.01
2 372/33
2 434/21
2 434/22
2 455/326
2 701/213
2 701/3
2 701/302
2 703/6

10768745_CLSTITLES

Titles of Most Frequently Occurring Classifications of Patents Returned

From A Search of 10768745 on February 10, 2005

47 244/3.16 (26 OR, 21 XR)
 Class 244 : AERONAUTICS
 244/3.1 MISSILE STABILIZATION OR TRAJECTORY CONTROL
 244/3.15 .Automatic guidance
 244/3.16 ..Optical (includes infrared)

31 244/3.15 (15 OR, 16 XR)
 Class 244 : AERONAUTICS
 244/3.1 MISSILE STABILIZATION OR TRAJECTORY CONTROL
 244/3.15 .Automatic guidance

29 342/62 (9 OR, 20 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/61 RETURN SIGNAL CONTROLS EXTERNAL DEVICE
 342/62 .Missile or spacecraft guidance

19 244/3.19 (9 OR, 10 XR)
 Class 244 : AERONAUTICS
 244/3.1 MISSILE STABILIZATION OR TRAJECTORY CONTROL
 244/3.15 .Automatic guidance
 244/3.19 ..Radio wave

15 342/13 (4 OR, 11 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/13 RADAR EW (ELECTRONIC WARFARE)

12 342/14 (8 OR, 4 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/13 RADAR EW (ELECTRONIC WARFARE)
 342/14 .ECM (Electronic countermeasures, i.e.,
 jamming)

12 342/149 (3 OR, 9 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/147 DETERMINING DIRECTION
 342/149 .Monopulse

12 342/17 (11 OR, 1 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS

10768745_CLSTITLES
AND DEVICES

342/13 RADAR EW (ELECTRONIC WARFARE)
342/16 .ECCM (Electronic counter-countermeasures,
i.e., antijamming)
342/17 ..Radar reacts to jamming

12 343/771 (8 OR, 4 XR)
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
343/700R ANTENNAS
343/767 .Slot type
343/770 ..Plural
343/771 ...With wave guide coupling

9 342/53 (4 OR, 5 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/52 COMBINED WITH DIVERSE TYPE RADIANT ENERGY
SYSTEM
342/53 .With infrared device

7 342/15 (4 OR, 3 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/13 RADAR EW (ELECTRONIC WARFARE)
342/14 .ECM (Electronic countermeasures, i.e.,
jamming)
342/15 ..With repeater

7 342/195 (0 OR, 7 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/175 WITH PARTICULAR CIRCUIT
342/195 .Digital processing

7 342/381 (3 OR, 4 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/350 DIRECTIVE
342/378 .Utilizing correlation techniques
342/379 ..Side lobe elimination
342/381 ...Difference of each antenna channel signal

6 102/214 (1 OR, 5 XR)
Class 102 : AMMUNITION AND EXPLOSIVES
102/200 IGNITING DEVICES AND SYSTEMS
102/206 .Ignition or detonation circuit
102/211 ..Proximity fuze
102/214 ...Radio wave

10768745_CLSTITLES

6 244/3.1 (2 OR, 4 XR)
 Class 244 : AERONAUTICS
 244/3.1 MISSILE STABILIZATION OR TRAJECTORY CONTROL

6 244/3.11 (2 OR, 4 XR)
 Class 244 : AERONAUTICS
 244/3.1 MISSILE STABILIZATION OR TRAJECTORY CONTROL
 244/3.11 .Remote control

6 250/342 (0 OR, 6 XR)
 Class 250 : RADIANT ENERGY
 250/336.1 INVISIBLE RADIANT ENERGY RESPONSIVE ELECTRIC
 SIGNALLING
 250/338.1 .Infrared responsive
 250/340 ..Methods
 250/342 ...Locating infrared emissive objects

6 342/16 (0 OR, 6 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/13 RADAR EW (ELECTRONIC WARFARE)
 342/16 .ECCM (Electronic counter-countermeasures,
 i.e., antijamming)

6 342/174 (4 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/165 TESTING OR CALIBRATING OF RADAR SYSTEM
 342/173 .By monitoring
 342/174 ..Calibrating

6 342/194 (0 OR, 6 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/175 WITH PARTICULAR CIRCUIT
 342/194 .Complex signal (in phase and quadrature)

6 343/700MS (2 OR, 4 XR)
 Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
 343/700R ANTENNAS
 343/700MS .Microstrip

6 343/770 (1 OR, 5 XR)
 Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
 343/700R ANTENNAS
 343/767 .Slot type
 343/770 ..Plural

10768745_CLSTITLES

- 5 244/3.17 (3 OR, 2 XR)
 - Class 244 : AERONAUTICS
 - 244/3.1 MISSILE STABILIZATION OR TRAJECTORY CONTROL
 - 244/3.15 .Automatic guidance
 - 244/3.16 ..Optical (includes infrared)
 - 244/3.17 ...Optical correlation

- 5 250/504R (2 OR, 3 XR)
 - Class 250 : RADIANT ENERGY
 - 250/493.1 RADIANT ENERGY GENERATION AND SOURCES
 - 250/503.1 .With radiation modifying member
 - 250/504R ..Ultraviolet or infrared source

- 5 342/137 (2 OR, 3 XR)
 - Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
 - 342/118 DETERMINING DISTANCE
 - 342/134 .With pulse modulation
 - 342/137 ..With variable pulse repetition frequency (PRF) or pulse width

- 5 342/188 (2 OR, 3 XR)
 - Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
 - 342/175 WITH PARTICULAR CIRCUIT
 - 342/188 .With polarization

- 5 342/357.06 (2 OR, 3 XR)
 - Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
 - 342/350 DIRECTIVE
 - 342/352 .Including a satellite
 - 342/357.01 ..With position indicating
 - 342/357.06 ...Using Global Positioning Satellite (GPS or Glonass)

- 5 342/379 (1 OR, 4 XR)
 - Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
 - 342/350 DIRECTIVE
 - 342/378 .Utilizing correlation techniques
 - 342/379 ..Side lobe elimination

- 5 342/61 (1 OR, 4 XR)
 - Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
 - 342/61 RETURN SIGNAL CONTROLS EXTERNAL DEVICE

10768745_CLSTITLES

5 342/97 (1 OR, 4 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/73 RETURN SIGNAL CONTROLS RADAR SYSTEM
 342/89 .Receiver
 342/94 ..Gating
 342/95 ...Automatic range tracking
 342/97With automatic lock-on

5 343/705 (4 OR, 1 XR)
 Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
 343/700R ANTENNAS
 343/705 .With aircraft

5 343/725 (1 OR, 4 XR)
 Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
 343/700R ANTENNAS
 343/725 .Plural separate diverse type

5 343/872 (1 OR, 4 XR)
 Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
 343/700R ANTENNAS
 343/872 .With housing or protective covering

5 382/103 (2 OR, 3 XR)
 Class 382 : IMAGE ANALYSIS
 382/100 APPLICATIONS
 382/103 .Target tracking or detecting

4 89/1.11 (3 OR, 1 XR)
 Class 089 : ORDNANCE
 89/1.11 WAGING WAR

4 102/336 (3 OR, 1 XR)
 Class 102 : AMMUNITION AND EXPLOSIVES
 102/335 PYROTECHNICS
 102/336 .Flare

4 102/489 (2 OR, 2 XR)
 Class 102 : AMMUNITION AND EXPLOSIVES
 102/473 SHELLS
 102/489 .With secondary shells

4 244/3.14 (2 OR, 2 XR)
 Class 244 : AERONAUTICS
 244/3.1 MISSILE STABILIZATION OR TRAJECTORY CONTROL
 244/3.11 .Remote control

10768745_CLSTITLES

244/3.14 ..Radio wave

4 244/3.2 (2 OR, 2 XR)

Class 244 : AERONAUTICS

244/3.1 MISSILE STABILIZATION OR TRAJECTORY CONTROL

244/3.15 .Automatic guidance

244/3.2 ..Inertial

4 244/3.22 (3 OR, 1 XR)

Class 244 : AERONAUTICS

244/3.1 MISSILE STABILIZATION OR TRAJECTORY CONTROL

244/3.15 .Automatic guidance

244/3.21 ..Attitude control mechanisms

244/3.22 ...Fluid reaction type

4 250/203.6 (3 OR, 1 XR)

Class 250 : RADIANT ENERGY

250/200 PHOTOCELLS; CIRCUITS AND APPARATUS

250/201.1 .Photocell controls its own optical systems

250/203.1 ..Following a target (e.g., a star or instrument pointer or other object) other

than a pattern

250/203.3 ...Self-luminous target

250/203.6Airborne target, or spaceborne target othe

r

than the sun (e.g., star or missile)

4 342/153 (1 OR, 3 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES

342/147 DETERMINING DIRECTION

342/149 .Monopulse

342/153 ..With particular antenna or waveguide

4 342/159 (0 OR, 4 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES

342/159 CLUTTER ELIMINATION

4 342/192 (0 OR, 4 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES

342/175 WITH PARTICULAR CIRCUIT

342/192 .Spectrum analysis

4 342/196 (0 OR, 4 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES

10768745_CLSTITLES

342/175 WITH PARTICULAR CIRCUIT
342/195 .Digital processing
342/196 ..Fast fourier transform (FFT)

4 342/58 (1 OR, 3 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/52 COMBINED WITH DIVERSE TYPE RADIANT ENERGY
SYSTEM
342/58 .With transmission to a remote station

4 342/68 (2 OR, 2 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/61 RETURN SIGNAL CONTROLS EXTERNAL DEVICE
342/68 .Proximity fuze

4 343/720 (1 OR, 3 XR)
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
343/700R ANTENNAS
343/720 .Combined with diverse-type art device

4 343/756 (2 OR, 2 XR)
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
343/700R ANTENNAS
343/756 .With polarization filter or converter

4 343/781CA (2 OR, 2 XR)
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
343/700R ANTENNAS
343/772 .Wave guide type (e.g., horn)
343/781R ..With external reflector or director
343/781CA ...With main and subreflector (Casse-grain
type)

4 343/909 (0 OR, 4 XR)
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
343/700R ANTENNAS
343/907 .Antenna components
343/909 ..Refracting means and radio wave energy
filters (e.g., lenses and polarizers)

4 356/4.01 (0 OR, 4 XR)
Class 356 : OPTICS: MEASURING AND TESTING
356/3 RANGE OR REMOTE DISTANCE FINDING
356/4.01 .With photodetection

4 434/2 (0 OR, 4 XR)

10768745_CLSTITLES

Class 434 : EDUCATION AND DEMONSTRATION
 434/1 DETECTION OR RANGE DETERMINATION OF DISTANT
 OBJECT BY APPARATUS USING SENSOR OF ELECTR
 OMAGNETIC OR
 SOUND ENERGY
 434/2 .Radar

3 73/167 (1 OR, 2 XR)
 Class 073 : MEASURING AND TESTING
 73/167 ORDNANCE AND PROJECTILE

3 102/505 (1 OR, 2 XR)
 Class 102 : AMMUNITION AND EXPLOSIVES
 102/501 PROJECTILES
 102/504 .Line carrying or filamentary material
 distributing
 102/505 ..Chaff dispensing

3 244/3.12 (3 OR, 0 XR)
 Class 244 : AERONAUTICS
 244/3.1 MISSILE STABILIZATION OR TRAJECTORY CONTROL
 244/3.11 .Remote control
 244/3.12 ..Trailing wire

3 244/3.21 (2 OR, 1 XR)
 Class 244 : AERONAUTICS
 244/3.1 MISSILE STABILIZATION OR TRAJECTORY CONTROL
 244/3.15 .Automatic guidance
 244/3.21 ..Attitude control mechanisms

3 250/332 (2 OR, 1 XR)
 Class 250 : RADIANT ENERGY
 250/330 INFRARED-TO-VISIBLE IMAGING
 250/332 .Including detector array

3 250/495.1 (0 OR, 3 XR)
 Class 250 : RADIANT ENERGY
 250/493.1 RADIANT ENERGY GENERATION AND SOURCES
 250/494.1 .Plural radiation sources
 250/495.1 ..Including an infrared source

3 333/248 (0 OR, 3 XR)
 Class 333 : WAVE TRANSMISSION LINES AND NETWORKS
 333/245 LONG LINE ELEMENTS AND COMPONENTS
 333/248 .Waveguide elements and components

3 342/157 (0 OR, 3 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS

10768745_CLSTITLES
AND DEVICES

342/147 DETERMINING DIRECTION
342/157 .With frequency or phase steering

3 342/165 (0 OR, 3 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/165 TESTING OR CALIBRATING OF RADAR SYSTEM

3 342/170 (2 OR, 1 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/165 TESTING OR CALIBRATING OF RADAR SYSTEM
342/169 .By simulation
342/170 ..Microwave

3 342/173 (0 OR, 3 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/165 TESTING OR CALIBRATING OF RADAR SYSTEM
342/173 .By monitoring

3 342/19 (1 OR, 2 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/13 RADAR EW (ELECTRONIC WARFARE)
342/16 .ECCM (Electronic counter-countermeasures,
i.e., antijamming)
342/17 ..Radar reacts to jamming
342/19 ...By varying gain or blocking receiver

3 342/20 (0 OR, 3 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/13 RADAR EW (ELECTRONIC WARFARE)
342/20 .Detection of surveillance

3 342/201 (2 OR, 1 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/175 WITH PARTICULAR CIRCUIT
342/200 .For frequency modulation
342/201 ..Combined with pulse modulation

3 342/204 (0 OR, 3 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/175 WITH PARTICULAR CIRCUIT

10768745_CLSTITLES

342/202 .For pulse modulation
342/204 ..With pulse shaping

3 342/374 (1 OR, 2 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/350 DIRECTIVE
342/368 .Including a steerable array
342/374 ..With a switch

3 342/384 (1 OR, 2 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/350 DIRECTIVE
342/378 .Utilizing correlation techniques
342/384 ..Difference of each antenna channel signal

3 342/80 (1 OR, 2 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/73 RETURN SIGNAL CONTROLS RADAR SYSTEM
342/74 .Antenna control
342/75 ..Physical orientation
342/80 ...Monopulse

3 343/729 (2 OR, 1 XR)
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
343/700R ANTENNAS
343/729 .Plural diverse-type antennas using same activ
e
element

3 343/753 (1 OR, 2 XR)
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
343/700R ANTENNAS
343/753 .With spaced or external radio wave refractor
(e.g., lens)

3 343/765 (1 OR, 2 XR)
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
343/700R ANTENNAS
343/757 .With means for moving directive antenna for
scanning, sweeping or orienting
343/763 ..Rotary or rotary oscillatory motion
343/765 ...In different planes

3 343/768 (0 OR, 3 XR)
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS

10768745_CLSTITLES

	343/700R	ANTENNAS
	343/767	.Slot type
	343/768	..With periodic control of slot or coupling
3	343/853	(0 OR, 3 XR)
	Class 343	: COMMUNICATIONS: RADIO WAVE ANTENNAS
	343/700R	ANTENNAS
	343/850	.With coupling network or impedance in the leadin
	343/853	..With plural antennas
3	343/876	(0 OR, 3 XR)
	Class 343	: COMMUNICATIONS: RADIO WAVE ANTENNAS
	343/700R	ANTENNAS
	343/876	.Switching between antennas and lines
3	455/1	(1 OR, 2 XR)
	Class 455	: TELECOMMUNICATIONS
	455/1	INTERFERENCE SIGNAL TRANSMISSION (E.G., JAMMING)
2	29/600	(1 OR, 1 XR)
	Class 029	: METAL WORKING
	29/592	METHOD OF MECHANICAL MANUFACTURE
	29/592.1	.Electrical device making
	29/600	..Antenna or wave energy "plumbing" making
2	73/865.6	(1 OR, 1 XR)
	Class 073	: MEASURING AND TESTING
	73/865.6	SIMULATED ENVIRONMENT (E.G., TEST CHAMBERS)
2	89/41.06	(0 OR, 2 XR)
	Class 089	: ORDNANCE
	89/37.01	MOUNTS
	89/41.01	.Training mechanisms
	89/41.02	..Motor operated
	89/41.06	...By light reception
2	102/211	(0 OR, 2 XR)
	Class 102	: AMMUNITION AND EXPLOSIVES
	102/200	IGNITING DEVICES AND SYSTEMS
	102/206	.Ignition or detonation circuit
	102/211	..Proximity fuze
2	102/293	(2 OR, 0 XR)
	Class 102	: AMMUNITION AND EXPLOSIVES
	102/293	MISCELLANEOUS

10768745_CLSTITLES

- 2 102/357 (0 OR, 2 XR)
 - Class 102 : AMMUNITION AND EXPLOSIVES
 - 102/335 PYROTECHNICS
 - 102/357 .With means to eject an object from a casing
- 2 102/363 (0 OR, 2 XR)
 - Class 102 : AMMUNITION AND EXPLOSIVES
 - 102/363 FUEL AIR EXPLOSIVE
- 2 102/370 (0 OR, 2 XR)
 - Class 102 : AMMUNITION AND EXPLOSIVES
 - 102/367 GAS OR MIST DISPERSING
 - 102/370 .Cartridge or projectile
- 2 102/476 (0 OR, 2 XR)
 - Class 102 : AMMUNITION AND EXPLOSIVES
 - 102/473 SHELLS
 - 102/475 .Focused or directed detonation
 - 102/476 ..Shaped charge
- 2 102/513 (0 OR, 2 XR)
 - Class 102 : AMMUNITION AND EXPLOSIVES
 - 102/501 PROJECTILES
 - 102/513 .Target marking
- 2 235/411 (0 OR, 2 XR)
 - Class 235 : REGISTERS
 - 235/400 ORDNANCE OR WEAPON SYSTEMS COMPUTER
 - 235/411 .With target tracking means
- 2 244/3.13 (0 OR, 2 XR)
 - Class 244 : AERONAUTICS
 - 244/3.1 MISSILE STABILIZATION OR TRAJECTORY CONTROL
 - 244/3.11 .Remote control
 - 244/3.13 ..Beam rider
- 2 244/3.27 (1 OR, 1 XR)
 - Class 244 : AERONAUTICS
 - 244/3.1 MISSILE STABILIZATION OR TRAJECTORY CONTROL
 - 244/3.24 .Externally mounted stabilizing appendage
(e.g., fin)
 - 244/3.27 ..Collapsible
- 2 248/184.1 (1 OR, 1 XR)
 - Class 248 : SUPPORTS
 - 248/127 STAND
 - 248/176.1 .To hold a particular article
 - 248/177.1 ..Having platform for mounting article directl.

10768745_CLSTITLES

Y
)
 above stationary stand (e.g., tripod head)

248/178.1 ...Adjustable platform
 248/184.1On double horizontal pivots

2 250/203.1 (1 OR, 1 XR)
 Class 250 : RADIANT ENERGY
 250/200 PHOTOCELLS; CIRCUITS AND APPARATUS
 250/201.1 .Photocell controls its own optical systems
 250/203.1 ..Following a target (e.g., a star or
 instrument pointer or other object) other t
 han a pattern

2 250/203.2 (1 OR, 1 XR)
 Class 250 : RADIANT ENERGY
 250/200 PHOTOCELLS; CIRCUITS AND APPARATUS
 250/201.1 .Photocell controls its own optical systems
 250/203.1 ..Following a target (e.g., a star or
 instrument pointer or other object) other
 than a pattern
 250/203.2 ...Target illuminated by artificial light
 source

2 250/208.1 (1 OR, 1 XR)
 Class 250 : RADIANT ENERGY
 250/200 PHOTOCELLS; CIRCUITS AND APPARATUS
 250/206 .Photocell controlled circuit
 250/208.1 ..Plural photosensitive image detecting elemen
 t
 arrays

2 250/216 (1 OR, 1 XR)
 Class 250 : RADIANT ENERGY
 250/200 PHOTOCELLS; CIRCUITS AND APPARATUS
 250/216 .Optical or pre-photocell system

2 250/234 (1 OR, 1 XR)
 Class 250 : RADIANT ENERGY
 250/200 PHOTOCELLS; CIRCUITS AND APPARATUS
 250/216 .Optical or pre-photocell system
 250/234 ..Means for moving optical system

2 250/347 (0 OR, 2 XR)
 Class 250 : RADIANT ENERGY
 250/336.1 INVISIBLE RADIANT ENERGY RESPONSIVE ELECTRIC
 SIGNALLING
 250/338.1 .Infrared responsive

10768745_CLSTITLES

- 250/347 ..With movable beam deflector or focussing means
- 2 318/561 (1 OR, 1 XR)
 Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS
 318/560 POSITIONAL SERVO SYSTEMS (E.G.,
 SERVOMECHANISMS)
 318/561 .Adaptive or optimizing systems including
 "bang-bang" servos
- 2 330/287 (0 OR, 2 XR)
 Class 330 : AMPLIFIERS
 330/250 WITH SEMICONDUCTOR AMPLIFYING DEVICE (E.G.,
 TRANSISTOR)
 330/286 .Including distributed parameter-type coupling
 330/287 ..Of diode type
- 2 333/114 (0 OR, 2 XR)
 Class 333 : WAVE TRANSMISSION LINES AND NETWORKS
 333/1 PLURAL CHANNEL SYSTEMS
 333/100 .Having branched circuits
 333/109 ..Using directional coupler
 333/114 ...Having crossed-guide waveguide
- 2 333/22R (0 OR, 2 XR)
 Class 333 : WAVE TRANSMISSION LINES AND NETWORKS
 333/22R DISSIPATING TERMINATIONS FOR LONG LINES
- 2 342/111 (0 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/104 DETERMINING VELOCITY
 342/109 .Combined with determining distance
 342/111 ..With plural receiver frequency band
 separation
- 2 342/12 (1 OR, 1 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/5 RADAR REFLECTOR
 342/12 .Chaff
- 2 342/131 (0 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/118 DETERMINING DISTANCE
 342/128 .With frequency modulation

10768745_CLSTITLES

- 342/130 ..Plural modulation
 342/131 ...Combined with pulse modulation (e.g., frequency agile)
- 2 342/145 (0 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/118 DETERMINING DISTANCE
 342/145 .With correlation
- 2 342/147 (0 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/147 DETERMINING DIRECTION
- 2 342/154 (1 OR, 1 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/147 DETERMINING DIRECTION
 342/149 .Monopulse
 342/154 ..Combined with beam steering
- 2 342/158 (0 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/147 DETERMINING DIRECTION
 342/158 .Scanning
- 2 342/169 (2 OR, 0 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/165 TESTING OR CALIBRATING OF RADAR SYSTEM
 342/169 .By simulation
- 2 342/175 (1 OR, 1 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/175 WITH PARTICULAR CIRCUIT
- 2 342/200 (0 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/175 WITH PARTICULAR CIRCUIT
 342/200 .For frequency modulation
- 2 342/202 (2 OR, 0 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES

10768745_CLSTITLES

342/175 WITH PARTICULAR CIRCUIT
342/202 .For pulse modulation

2 342/25A (0 OR, 2 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/25R SYNTHETIC APERTURE RADAR
342/25A .Mapping or imaging using synthetic aperture
radar

2 342/3 (0 OR, 2 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/1 RADIO WAVE ABSORBER
342/3 .For camouflage

2 342/357.01 (0 OR, 2 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/350 DIRECTIVE
342/352 .Including a satellite
342/357.01 ..With position indicating

2 342/357.09 (1 OR, 1 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/350 DIRECTIVE
342/352 .Including a satellite
342/357.01 ..With position indicating
342/357.06 ...Using Global Positioning Satellite (GPS or
Glonass)
342/357.09With transmission of location-indicative
information to or from a remote station

2 342/361 (1 OR, 1 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/350 DIRECTIVE
342/361 .Including polarized signal communication
transmitter or receiver

2 342/372 (1 OR, 1 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/350 DIRECTIVE
342/368 .Including a steerable array
342/371 ..With electronic scanning
342/372 ...Controlled

10768745_CLSTITLES

- 2 342/373 (1 OR, 1 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/350 DIRECTIVE
 342/368 .Including a steerable array
 342/373 ..With a matrix
- 2 342/378 (0 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/350 DIRECTIVE
 342/378 .Utilizing correlation techniques
- 2 342/380 (0 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/350 DIRECTIVE
 342/378 .Utilizing correlation techniques
 342/379 ..Side lobe elimination
 342/380 ...Sum of each antenna channel signal
- 2 342/383 (1 OR, 1 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/350 DIRECTIVE
 342/378 .Utilizing correlation techniques
 342/383 ..Sum of each antenna signal
- 2 342/427 (2 OR, 0 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/350 DIRECTIVE
 342/385 .Beacon or receiver
 342/417 ..Direction-finding receiver only
 342/422 ...With self-orienting antenna pattern
 342/427Monopulse or pseudo monopulse tracking
 antenna type
- 2 342/461 (0 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/350 DIRECTIVE
 342/450 .Position indicating (e.g., triangulation)
 342/461 ..With speed determination
- 2 342/52 (0 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS

10768745_CLSTITLES
AND DEVICES

342/52 COMBINED WITH DIVERSE TYPE RADIANT ENERGY
SYSTEM

2 342/64 (1 OR, 1 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/61 RETURN SIGNAL CONTROLS EXTERNAL DEVICE
342/63 .Aircraft guidance
342/64 ..With map matching

2 342/90 (1 OR, 1 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/73 RETURN SIGNAL CONTROLS RADAR SYSTEM
342/89 .Receiver
342/90 ..Automatic target detection

2 342/94 (0 OR, 2 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/73 RETURN SIGNAL CONTROLS RADAR SYSTEM
342/89 .Receiver
342/94 ..Gating

2 342/95 (1 OR, 1 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/73 RETURN SIGNAL CONTROLS RADAR SYSTEM
342/89 .Receiver
342/94 ..Gating
342/95 ...Automatic range tracking

2 342/98 (0 OR, 2 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/73 RETURN SIGNAL CONTROLS RADAR SYSTEM
342/89 .Receiver
342/98 ..Frequency

2 342/99 (2 OR, 0 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/73 RETURN SIGNAL CONTROLS RADAR SYSTEM
342/89 .Receiver
342/98 ..Frequency
342/99 ...Doppler frequency tracking

10768745_CLSTITLES

2 343/708 (0 OR, 2 XR)
 Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
 343/700R ANTENNAS
 343/705 .With aircraft
 343/708 ..Aircraft part of active antenna or vice vers

a

2 343/754 (1 OR, 1 XR)
 Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
 343/700R ANTENNAS
 343/753 .With spaced or external radio wave refractor
 (e.g., lens)
 343/754 ..With scanning, sweeping, or orienting

2 343/757 (1 OR, 1 XR)
 Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
 343/700R ANTENNAS
 343/757 .With means for moving directive antenna for
 scanning, sweeping or orienting

2 343/761 (1 OR, 1 XR)
 Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
 343/700R ANTENNAS
 343/757 .With means for moving directive antenna for
 scanning, sweeping or orienting
 343/761 ..Reflector and antenna relatively movable

2 343/776 (1 OR, 1 XR)
 Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
 343/700R ANTENNAS
 343/772 .Wave guide type (e.g., horn)
 343/776 ..Plural

2 343/781P (0 OR, 2 XR)
 Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
 343/700R ANTENNAS
 343/772 .Wave guide type (e.g., horn)
 343/781R ..With external reflector or director
 343/781P ...Plural reflectors

2 343/785 (0 OR, 2 XR)
 Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
 343/700R ANTENNAS
 343/772 .Wave guide type (e.g., horn)
 343/785 ..Dielectric type (e.g., polystyrene rod)

2 343/840 (0 OR, 2 XR)

10768745_CLSTITLES

Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
 343/700R ANTENNAS
 343/834 .Antenna with parasitic reflector
 343/840 ..Parabolic-type reflector with active antenna
 at focus

2 343/895 (1 OR, 1 XR)
 Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
 343/700R ANTENNAS
 343/895 .Spiral or helical type

2 356/139.05 (0 OR, 2 XR)
 Class 356 : OPTICS: MEASURING AND TESTING
 356/138 ANGLE MEASURING OR ANGULAR AXIAL ALIGNMENT
 356/139.04 .Automatic following or aligning while
 indicating measurement
 356/139.05 ..With optical elements moving relative to
 fixed housing to follow or align

2 356/139.07 (1 OR, 1 XR)
 Class 356 : OPTICS: MEASURING AND TESTING
 356/138 ANGLE MEASURING OR ANGULAR AXIAL ALIGNMENT
 356/139.04 .Automatic following or aligning while
 indicating measurement
 356/139.07 ..With photodetection of reflected beam angle
 with respect to a unidirectional source bea

m

2 356/141.1 (2 OR, 0 XR)
 Class 356 : OPTICS: MEASURING AND TESTING
 356/138 ANGLE MEASURING OR ANGULAR AXIAL ALIGNMENT
 356/140 .Apex of angle at observing or detecting
 station
 356/141.1 ..With photodetection of reflected beam angle
 with respect to a unidirectional source bea

m

2 356/141.5 (1 OR, 1 XR)
 Class 356 : OPTICS: MEASURING AND TESTING
 356/138 ANGLE MEASURING OR ANGULAR AXIAL ALIGNMENT
 356/140 .Apex of angle at observing or detecting
 station
 356/141.2 ..With photodetection
 356/141.5 ...With at least 2-dimensional sensitivity

2 356/5.01 (0 OR, 2 XR)
 Class 356 : OPTICS: MEASURING AND TESTING
 356/3 RANGE OR REMOTE DISTANCE FINDING

10768745_CLSTITLES

356/4.01 .With photodetection
356/5.01 ..Of pulse transit time

2 372/33 (1 OR, 1 XR)
Class 372 : COHERENT LIGHT GENERATORS
372/33 PARTICULAR OPERATING COMPENSATION MEANS

2 434/21 (1 OR, 1 XR)
Class 434 : EDUCATION AND DEMONSTRATION
434/11 ORGANIZED ARMED OR UNARMED CONFLICT OR SHOOTIN

G

434/16 .Gunnery
434/19 ..Gun aiming
434/21 ...Training apparatus using beam of infrared,
visible light, or ultraviolet radiation

2 434/22 (0 OR, 2 XR)
Class 434 : EDUCATION AND DEMONSTRATION
434/11 ORGANIZED ARMED OR UNARMED CONFLICT OR SHOOTIN

G

434/16 .Gunnery
434/19 ..Gun aiming
434/21 ...Training apparatus using beam of infrared,
visible light, or ultraviolet radiation
434/22Beam sensor included in apparatus

2 455/326 (0 OR, 2 XR)
Class 455 : TELECOMMUNICATIONS
455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
CONVERTER
455/313 .Frequency modifying or conversion
455/323 ..Particular frequency conversion structure or
circuitry
455/325 ...Including distributed electrical parameter
structure
455/326With balanced mixer

2 701/213 (0 OR, 2 XR)
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION
701/200 NAVIGATION
701/207 .Employing position determining equipment
701/213 ..Using Global Positioning System (GPS)

2 701/3 (1 OR, 1 XR)
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND

		10768745_CLSTITLES
		RELATIVE LOCATION
701/1		VEHICLE CONTROL, GUIDANCE, OPERATION, OR
		INDICATION
701/3		.Aeronautical vehicle
2	701/302	(1 OR, 1 XR)
	Class	701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
		RELATIVE LOCATION
	701/300	RELATIVE LOCATION
	701/302	.Course to intercept
2	703/6	(2 OR, 0 XR)
	Class	703 : DATA PROCESSING: STRUCTURAL DESIGN,
		MODELING, SIMULATION, AND EMULATION
	703/6	SIMULATING NONELECTRICAL DEVICE OR SYSTEM

above 1
 absence 1
 abstract 1
 accommodate 1
 accordingly 1
 accuracy 1
 accurately 1
 active 8
 activity 4
 acute 1
 advantageously 1
 again 1
 against 1
 aim 1
 aims 1
 air 2
 al 1
 all 1
 already 2
 also 5
 although 1
 among 1
 ampc 1
 amplified 1
 amplifier 3
 amplifies 1
 an 9
 and 46
 andjammer 1
 angle 5
 another 2
 ante 1
 antenna 23
 antennajamming 1
 antennas 15
 anterma 1
 anti 2
 any 9
 apparent 1
 appended 1
 applied 1
 aps 6
 architecture 2
 are 25
 armor 1
 around 2
 arrows 2
 art 1

as 3
 associated 1
 at 3
 atgms 1
 attack 1
 background 1
 backlobes 1
 band 16
 bandjamming 2
 based 2
 be 6
 because 1
 become 1
 been 3
 before 2
 being 3
 best 2
 between 8
 bplexed 1
 ble 1
 board 1
 body 1
 bome 1
 borne 1
 both 1
 by 18
 can 5
 capability 1
 caps 3
 cause 1
 causes 1
 changing 1
 channelizes 1
 charmels 1
 choose 1
 christian 1
 claims 1
 clause 1
 close 3
 closes 1
 cohtrol 1
 combined 1
 command 1
 computer 5
 concurrently 1
 conductive 3
 conformal 5
 confused 1

confusion 1
 conjunction 1
 consecutive 1
 continuously 1
 controlled 1
 controller 6
 controls 1
 cooperation 1
 corresponding 2
 counter 3
 counteract 1
 coupled 1
 coverage 1
 covering 1
 covers 1
 create 1
 current 2
 currents 2
 dark 1
 date 1
 de 1
 decreases 1
 dedicatory 1
 def 1
 degrees 1
 departing 1
 depending 1
 depends 1
 depicted 1
 depicting 1
 depicts 1
 deployed 1
 described 2
 description 2
 desensitization 1
 destroy 1
 destruction 1
 detail 1
 detect 1
 detectable 1
 detected 2
 detection 2
 detector 5
 determined 1
 determining 1
 developed 2
 diagram 2
 difficulties 1

direction 1
dis 1
disable 1
disabled 1
disclosure 1
do 1
docket 1
does 2
donald 1
doppler 2
double 1
drawing 2
due 3
duration 1
during 6
each 2
effect 4
effective 1
effectiveness 3
effects 1
either 1
electrically 2
electronic 1
electronics 1
eliminate 1
emanating 1
embodiment 3
embodiments 1
emission 6
emissions 6
emit 2
emits 1
emitted 5
employ 1
employed 1
end 4
enemy 18
energy 5
enters 1
entire 1
even 1
eventually 1
explained 1
exterior 1
false 1
fhe 1
figure 7
figures 4

filing 1
filter 1
fire 2
first 3
followed 2
fomard 1
for 10
foregoing 1
form 1
frequencies 1
frequency 8
from 15
front 5
function 3
functions 1
further 1
gated 1
generated 1
generates 1
generator 3
given 1
governmental 1
government 1
greater 1
greatly 1
grenades 1
ground 2
guidance 3
guided 1
halladay 1
handling 1
hardware 1
has 5
have 2
herein 1
hereto 1
high 1
homes 1
however 3
if 2
illustrate 1
illustrated 4
illustrates 2
in 33
incapable 1
incoming 2
incomorating 1
increase 2

increased 1
indicate 2
indicated 1
indicating 1
indicative 1
information 5
initiating 1
intended 1
intercepted 1
interfere 2
interference 3
interfering 2
interval 2
into 3
invention 5
inventors 1
is 36
it 4
its 1
itself 2
jam 1
jammer 19
jammers 1
jamming 29
jams 1
launched 2
lethality 1
level 2
licensed 1
light 1
like 2
likelihood 2
limited 1
line 8
listen 4
listening 5
lkf 1
ln 1
lnvention 1
located 6
loss 2
lovelace 1
low 1
lowest 1
ltiple 1
ma 1
made 1
majors 7

makes 1
manufactured 1
many 1
maximize 2
maximum 1
may 4
means 2
michael 1
minimize 1
minimum 1
missile 39
missiles 4
mode 3
modifications 1
monitored 1
more 1
most 2
multiple 7
needs 1
never 1
no 3
normally 1
nose 1
not 5
now 1
nse 1
number 2
numbers 1
objective 1
occur 2
occurs 3
of 89
off 3
oftheinvention 1
on 17
one 2
only 3
ontroller 1
operate 1
operating 1
operation 2
oply 1
opposite 3
oppositely 1
optimizes 1
or 7
other 2
others 1

out 3
output 1
overdrive 1
own 1
page 8
part 1
particular 4
particularly 1
parts 1
pass 1
path 1
pattern 6
payment 1
performed 2
period 1
periodically 1
phase 2
pole 2
portions 1
positioned 3
potential 2
power 1
preferred 2
presence 2
present 2
presents 1
prevents 1
problem 5
problems 3
process 1
produces 1
propagate 1
propagated 1
propagation 2
propelled 1
protect 1
protection 8
protects 1
provide 2
provided 1
proximity 1
pulse 5
pulses 10
purpose 1
purposes 1
radar 20
radars 2
radiated 4

radiation 2
radio 3
radome 8
raises 1
ralph 1
range 1
receive 1
received 3
receiver 3
receives 1
receiving 17
reception 1
reduce 2
reduction 1
referring 1
reflections 1
reject 1
relative 2
remains 1
rendered 1
repeated 1
represent 1
representative 2
required 2
resides 1
respectively 1
result 1
results 1
retlected 1
rf 6
rocket 1
royalties 1
rpgs 1
same 1
scope 2
second 2
seeker 53
seekers 1
seeket 1
select 1
selected 6
selection 3
sense 1
sensitizing 1
sequence 3
serial 1
set 1
setting 1

several 2
shadow 1
shadowing 5
should 1
side 4
sides 3
sight 8
signal 9
signals 27
significant 2
simultaneously 3
since 3
single 3
skilled 1
skin 2
small 1
so 2
solves 1
some 1
spatial 1
spirit 1
strike 1
structure 1
subsequently 1
successf 1
successful 2
such 7
suchjammers 1
summary 1
support 1
surface 5
switch 5
switching 3
synchronization 3
synchronize 1
synchronizing 2
system 15
systems 2
tank 1
tanks 1
target 10
targeted 1
techniques 1
tf 1
than 2
that 23
the 243
thejammer 1

thejamming 1
them 1
thenjamming 1
therefore 2
thereon 1
these 3
they 2
third 1
this 7
those 1
threat 1
throughout 1
throw 2
time 2
title 1
tlight 2
tlzrough 1
to 44
toward 4
tracking 3
trajectory 1
transmission 2
transmissive 6
transmit 13
transmitted 5
transmitter 2
transmitting 7
travel 1
traveled 1
tslter 1
turned 1
turrl 1
two 4
typical 2
typically 2
ul 1
under 1
unintentional 1
until 1
up 1
upon 1
us 1
use 2
used 2
useful 2
uses 1
using 1
utilizes 3

10768745_WDS

utilizing 1
various 1
vehicle 2
vehicles 1
very 2
via 1
vulnerable 1
warhead 2
wave 5
well 1
what 1
when 9
where 1
whereas 1
wherein 1
which 2
while 2
with 20
within 1
without 4
yet 1
yo 1